

Mark the best answer.

1. What fraction names the shaded part of this set? (10-1)

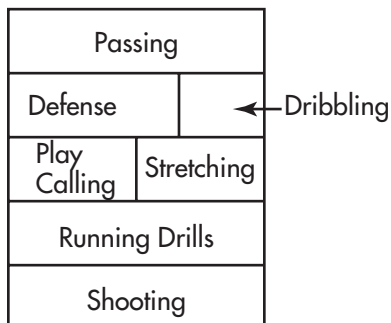


- A $\frac{7}{3}$
B $\frac{4}{7}$
C $\frac{1}{2}$
D $\frac{3}{7}$
2. How can $\frac{3}{27}$ be written in simplest form? (10-6)
- A Multiply 3 and 27 by their GCF, 9.
B Multiply 3 and 27 by their GCF, 3.
C Divide 3 and 27 by their GCF, 3.
D Divide 3 and 27 by their GCF, 9.
3. If you located the following numbers on a number line, which would be closest to 0? (10-9)
- $0.78, \frac{44}{100}, 0.4, \frac{6}{10}$
- A 0.78
B $\frac{6}{10}$
C $\frac{44}{100}$
D 0.4

4. To make her fruit smoothie, Joyce uses $\frac{3}{4}$ of a banana, $\frac{3}{5}$ of an apple, and $1\frac{1}{2}$ oranges. Which list has the amounts of fruit she needs in order from least to greatest? (10-5)

- A $\frac{3}{4}, 1\frac{1}{2}, \frac{3}{5}$
B $\frac{3}{5}, \frac{3}{4}, 1\frac{1}{2}$
C $1\frac{1}{2}, \frac{3}{4}, \frac{3}{5}$
D $\frac{3}{4}, \frac{3}{5}, 1\frac{1}{2}$
5. Which fraction equals 0.099? (10-8)
- A $\frac{99}{10}$
B $\frac{1}{9}$
C $\frac{99}{1,000}$
D $\frac{9}{1,000}$

6. The local college basketball team was practicing together on one court as shown. The shooting practice section is 120 ft^2 . Find the best estimate for the amount of space used for practicing defense. (10-10)



- A** Shooting is about $\frac{1}{5}$ of the total area, so $120 \times 5 = 600$, and defense is about $\frac{1}{7}$ of that. So $600 \div 7$ is about 86 ft^2 .
- B** Defense is about $\frac{1}{2}$ of the shooting area, so $120 \div 2 = 60 \text{ ft}^2$.
- C** Defense is about $\frac{2}{3}$ of the shooting area, so $120 \div 3 = 40 \text{ ft}^2$, and $40 \times 2 = 80 \text{ ft}^2$.
- D** Defense is about $\frac{1}{3}$ of the total area, so $600 \div 3 = 200 \text{ ft}^2$.
7. Which is greater than $3\frac{3}{5}$? (10-5)
- A** $3\frac{1}{4}$
- B** $3\frac{1}{3}$
- C** $3\frac{2}{5}$
- D** $3\frac{4}{5}$

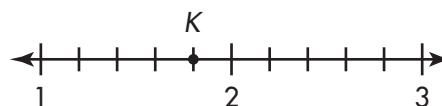
8. Write the improper fraction as a mixed number: $\frac{15}{7}$. (10-3)

- A** $1\frac{5}{7}$
- B** $1\frac{6}{7}$
- C** $2\frac{1}{15}$
- D** $2\frac{1}{7}$

9. What is $\frac{7}{100}$ expressed as a decimal? (10-7)

- A** 0.007
- B** 0.07
- C** 0.7
- D** 7.0

10. Which number represents Point K on the number line? (10-9)



- A** $1\frac{3}{5}$
- B** $1\frac{4}{5}$
- C** $2\frac{3}{5}$
- D** $2\frac{4}{5}$

11. Which is $\frac{24}{36}$ in simplest form? (10-6)

- A** $\frac{1}{3}$
- B** $\frac{1}{2}$
- C** $\frac{2}{3}$
- D** $\frac{3}{2}$

Name _____

- 12.** Which of the following is equivalent to $\frac{9}{36}$? (10-4)

A $\frac{1}{16}$
B $\frac{1}{14}$
C $\frac{1}{4}$
D $\frac{3}{4}$

- 13.** Which is 0.007 written as a fraction? (10-8)

A $\frac{7}{10}$
B $\frac{1}{7}$
C $\frac{7}{100}$
D $\frac{7}{1,000}$

- 14.** Which represents $3 \div 11$ written as a fraction? (10-2)

A $\frac{3}{11}$
B $1\frac{1}{11}$
C $\frac{11}{3}$
D $3\frac{2}{3}$